

Title (en)

METHODS AND SYSTEMS FOR MAPPING CARDIAC ACTIVITY

Title (de)

VERFAHREN UND SYSTEME ZUR KARTIERUNG DER HERZAKTIVITÄT

Title (fr)

PROCÉDÉS ET SYSTÈMES DE CARTOGRAPHIE DE L'ACTIVITÉ CARDIAQUE

Publication

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Application

EP 17708643 A 20170221

Priority

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- US 2017018659 W 20170221

Abstract (en)

[origin: WO2017151347A1] Cardiac activity can be mapped by receiving an electrogram, transforming the electrogram into the wavelet domain (e.g., using a continuous wavelet transformation) to create a scalogram of the electrogram, computing at least one energy function of the scalogram, and computing at least one metric of the electrogram using the at least one energy function. The metrics of the electrogram can include, without limitation: a QRS activity duration for the electrogram; a near-field component duration for the electrogram; a far-field component duration for the electrogram; a number of multiple components for the electrogram; a slope of a sharpest component of the electrogram; a scalogram width; an energy ratio in the electrogram; and a cycle-length based metric of the electrogram.

IPC 8 full level

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CPC (source: EP US)

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